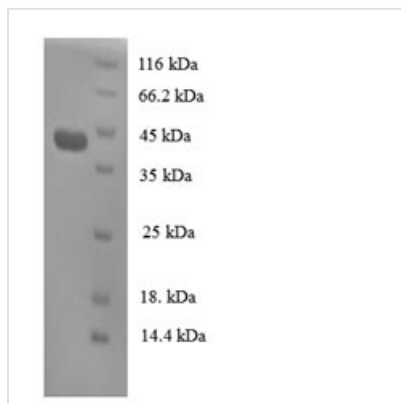




Recombinant Human Regenerating islet-derived protein 3-alpha (REG3A)

Product Code	CSB-EP019548HU
Relevance	Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan. Regulates keratinocyte proliferation and differentiation after skin injury via activation of EXTL3-PI3K-AKT signaling pathway.
Abbreviation	Recombinant Human REG3A protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q06141
Alias	Hepatointestinal pancreatic protein ;HIP/PAPHuman proislet peptidePancreatitis-associated protein 1Regenerating islet-derived protein III-alpha ;Reg III-alpha
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EEPQRELPSARIRCPKGSKAYGSHCYALFLSPKSWTDADLACQKRPSGNLVS VLSGAEGSFVSSLVKSIGNSYSYVWIGLHDPTQGTEPNGEWSSSDVMN YFAWERNPSTISSPGHCASLSRSTAFLRWKDYNLCNVRLPYVCKFTD
Research Area	Immunology
Source	E.coli
Target Names	REG3A
Expression Region	27-175aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	43.6kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Presenting our premium Recombinant Human REG3A protein, also known as Regenerating islet-derived protein 3-alpha (REG-3-alpha), a crucial component for advancing research in the field of immunology. REG3A is a C-type lectin protein that displays antibacterial activity and plays a vital role in the innate immune response, particularly in the pancreas and gastrointestinal tract.

Our Recombinant Human REG3A protein is expressed in E.coli, ensuring the full length of the mature protein (27-175aa) is obtained. The N-terminal GST-tag allows for efficient purification while preserving the protein's native structure and function. With a purity greater than 90% as determined by SDS-PAGE, our REG3A protein guarantees consistent and reliable results in your research applications. Available in both liquid and lyophilized powder forms, our Recombinant Human REG3A protein is ready to support your scientific endeavors.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.